

ABSTRACT OF THE DISCLOSURE

A gene therapy composition of the present invention comprises one or more nucleotide fragments. The one or  
5 more nucleotide fragments taken together comprise at least  
(1) a nucleotide sequence (a) encoding human soluble CD4,  
(2) a nucleotide sequence (b) comprising at least  
nucleotide sequences encoding the heavy chain and the  
light chain of immunoglobulin IgG3, wherein the IgG3 is  
10 directed against at least one of the peptides selected  
from the group consisting of SEQ ID NO:2 to SEQ ID NO:26.  
The composition further comprises the nucleic elements  
required for replicating each of nucleotide sequences (a)  
and (b), in a host cell, when the host cell divides and  
15 for expressing under control each of nucleotide sequences  
(a) and (b) in the host cell.